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SUMMER OFFERING — 1949

[of Orchids]



CLINT McDADE & SONS

RIVERMONT ORCHIDS

—Signal Mountain, Tennessee—

ARMSTRONG & BROWN

Tunbridge Wells, Kent, England (British division of Clint McDade & Sons)

OUR POLICY

ORDERS Orders are filled immediately as they are received and in the sequence of their arrival, weather conditions permitting. It is not necessary to send payments with your order, although you may do so if you wish. All prices shown are F. O. B. Chattanooga.

SUBSTITUTIONS No substitutions of a different cross will be made unless authorized by you. We would like our customers to give us a second choice to be sent in the event that we are sold out of their first choice. Substitutions of a smaller size plant will be made unless otherwise directed.

BACK ORDERS In the event we are permanently sold out of a cross when your order is received, you will be advised. If a second choice has been specified it will be shipped. If we are temporarily sold out of a cross you will be notified, your order will be *back ordered* and the plants shipped when ready.

SHIPMENTS We are prepared to ship in fibre pots or burlap wrapping at no extra charge. However, plants will be shipped in clay pots to the U. S. and in fibre to foreign countries unless otherwise requested. U. S. shipments will be made by Railway Express and foreign shipments by air mail or air express unless otherwise requested. We guarantee safe arrival of the plants but this guarantee is contingent upon the customer obtaining claim inspection reports from the transporting carrier in the event a shipment is damaged.

PAYMENT Invoices are enclosed with U. S. shipments and payment should be made upon receipt of plants. Foreign shipments must be prepaid and invoices are mailed after transportation charges are added.

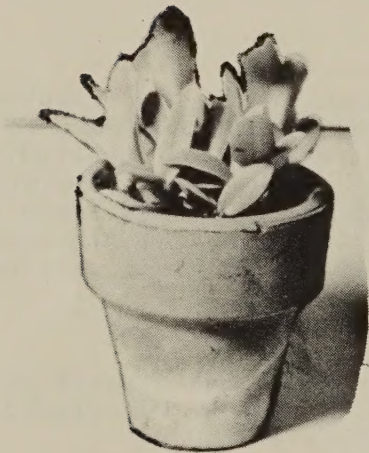
NON-WARRANTY We give no warranty, either expressed or implied, as to the expectancy and productiveness of any of the plants we sell and will not be responsible for the crop. Our liability is limited to the purchase price of the plants.

Seedlings

The purchase of orchid seedlings affords the commercial and experienced amateur grower a very economical means of keeping his orchid collection up-to-date by acquiring the modern hybrids that are being developed each year. In addition to the exciting pleasure of having new seedlings bloom each year, the growing of these little fellows affords a tremendous amount of pleasure.

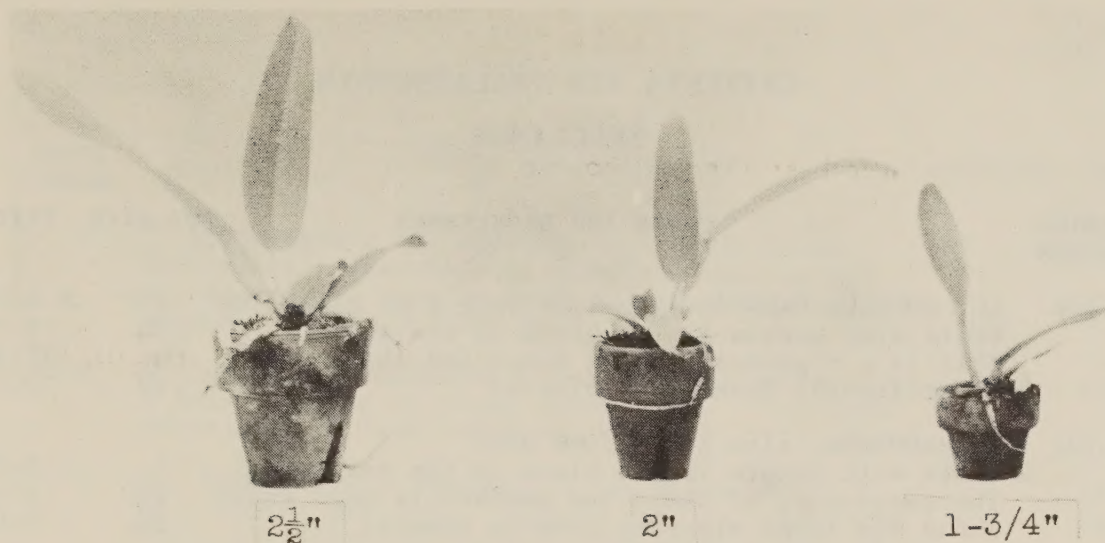
For the benefit of new orchid enthusiasts, we would like to explain the ages of the plants in various pot sizes and the average time required before the plant may be expected to attain flowering size.

COMMUNITY POTS



These plants are planted in colonies of ten to twelve plants per pot and the price shown is for the entire pot. *We cannot accept an order for less than 10 plants of a cross.* The plants are from 2 to 2½ years old and should attain flowering size in about 5 years.

It is our recommendation that amateur growers who have had no previous experience in growing seedlings, start with plants in single pots, preferably in the 2'' size or above. 1-3/4'' seedlings are also fairly easy to handle, but the mortality from community pot to 1-3/4'' is sometimes very high for an inexperienced grower.



SEEDLINGS

SINGLE PLANTS

The following pots contain single plants and may be purchased in any quantity.

POT SIZE	AGE	TIME BEFORE BLOOMING
$1\frac{3}{4}$ "	3 to $3\frac{1}{2}$ Years	$3\frac{1}{2}$ to 4 Years
2"	$3\frac{1}{2}$ to 4 Years	3 to $3\frac{1}{2}$ Years
$2\frac{1}{2}$ "	4 to 5 Years	$2\frac{1}{2}$ to 3 Years
3"	$4\frac{1}{2}$ to $5\frac{1}{2}$ Years	2 to $2\frac{1}{2}$ Years
$3\frac{1}{2}$ "	5 to 6 Years	$1\frac{1}{2}$ to 2 Years
4"	$5\frac{1}{2}$ to 6 Years	1 to $1\frac{1}{2}$ Years
$4\frac{1}{2}$ "	6 to 7 Years	Of a size to flower
5"		on next lead.

Please bear in mind that growing conditions and geographical locations may alter these figures, but on the average, we believe them to be applicable.



CATTLEYA AND PHALAENOPSIS

SEEDLINGS

CROSS NUMBER	CROSS AND EXPECTANCY	POT SIZE	PRICE
X-100	LC. LOUELLA PARSONS (Lc. Jane Dane X C. gigas FMB) White with purple lip to bloom in the summer. This is a vigorous growing cross and these are exceptionally fine large plants.	2½'' 3½ 4 4½	\$ 4.00 9.00 12.50 15.00
X-101	C. HARDYANA, alba X LC. JANE DANE White with purple lip to bloom in the early fall. The popularity of these two parents is well known. These are large vigorous growing plants.	2 2½ 3½	2.50 4.00 9.00
X-102	C. S. E. ENDICOTT X C. CLEMENTINE GOLDFARB Fall blooming pure white. A good grower producing well shaped flowers of good texture. Plants are of a size to flower on next lead.	4	12.50
X-103	C. TRENTINO X C. MRS. MYRA PEETERS Winter blooming pure white. A very vigorous grower and exceptionally floriferous cross after plants have gained maturity. Plants are of a size to flower on the next lead.	4 5 6	12.50 17.50 25.00
X-106	LC. GEORGE BALDWIN (Lc. Princess Margaret X C. Enid) Lavender to bloom in the late fall and early winter This is a proven cross that will produce dark lavender flowers of good substance.	3½	9.00
X-108	C. TRIMOS (C. Mossiae X C. Trianae) Lavender to bloom in the winter. A proven hybrid to produce dependable winter flowering orchids. Very fine species were used in making this cross.	1-3/4 2½ 3½	1.00 3.00 6.00
X-114	C. SWAN (C. Edithae, var. La Madelon X Mlle. Louise Pauwels) A repeated cross with exceptionally fine parents. These are lovely whites of good form and texture that flower in late winter and early spring. These plants have been repotted during the last 12 months and are well established in new osmundine. Fine vigorous plants of flowering size.	5 6 7	20.00 25.00 30.00
X-115	C. PRESIDENT WILSON, alba X LC. HASSALLII, alba Summer blooming white with colored lip. A very nice flower having the dark Laelia lip.	4	12.50
X-116	LC. IBBIE X C. LEDA A dark and colorful cross flowering in the late fall.	4	10.00
X-117	LC. BRITANNIA, alba X C. Lady ALEXANDER, alba A strong growing white with colored lip to flower in the fall.	4	12.50
X-118	C. CLEMENTINE GOLDFARB X C. BEN NEVIS An excellent growing pure white hybrid whose normal flowering season is in the fall. Many plants of this cross have been flowered and are very satisfactory.	4	12.50

CROSS NUMBER	CROSS AND EXPECTANCY	POT SIZE	PRICE
X-119	C. ADMIRATION X LC. ALTESSE, var. Orchidhaven Both parents used were of excellent quality and the flowers we have seen are dark and very well shaped. Season is late fall.	4	\$12.50
X-120	LC. ASCOT (Lc. Canberra X Lc. Princess Mary) A fine lavender to bloom in the fall. Very dark colors may be expected here.	4	12.50
X-121	LC. DAGERAAD (Lc. Sunburst X Lc. Menapier) Late summer and fall. Flowers vary in color from cream to yellow with a dark gold veined lip. We have flowered a few of this cross and although the quality does not compare with what we consider a good yellow, we have seen a few very satisfactory flowers. In any event we believe the plants are a good value at this low price.	5 6	10.00 14.00
X-122	BLC. BUTTERFLY (Blc. Canari X C. Mlle. Louise Pauwels) Late fall and early winter. As may be expected in the complex ancestry of the Brassolaeliocattleya, a broad range of colors will result. Ivory white, pinks and yellows will result from this mating, and will tend to extend the blooming season of yellows into the winter.	5	15.00
X-123	C. REMY CHOLLET X C. MOSSIAE Spring lavender. A vigorous growing hybrid for the Easter season.	2 2½	2.50 5.00

HYBRID STRAYS

	When we lose the identification tag from an orchid plant it is relabeled as a "Stray" and the price is reduced. We cannot tell the parentage or color of course, but coming from a collection containing good hybrid seedlings in white, white with purple lip and yellows, we believe it to be a very good buy.	2½ 3 3½ 4	2.50 3.00 5.00 7.50
R-301	C. WEDDING DAY (C. Ben Nevis X C. Mina) A very lovely pure white flower of good shape and texture. Normal flowering season is fall.	2½ 3 4	5.00 7.50 12.50
R-373	C. HARRISONIAE, Stanleyii X C. EUCHARIS, fine variety. Our customers who have flowered this pure white have been pleased with the results obtained. Although the flowers are not large the shape is good and the texture is excellent. Winter season.	4	12.50
R-403	LC. ACONCAGUA X LC. CYNTHIA, var. Rivermont White with colored lip to bloom in the fall. A pleasing shade of soft white with a very dark lip is expected.	2½ 3 3½	4.00 6.00 9.00

CROSS NUMBER	CROSS AND EXPECTANCY	POT SIZE	PRICE
R-414	LC. ACONCAGUA X C. PRISCILLA, alba Rivermont White with colored lip to bloom in the summer. The C. Priscilla, alba used in making this cross is one of the finest that we have seen. The white sepals were attractively marked with a tiny touch of purple at the ends of the petals.	2 2½ 3½	\$ 2.00 4.00 7.50
R-419	C. BOBBY JEWELL X C. RITA SLADDEN Pure white to bloom in the late fall. A vigorous growing cross.	2 2½	2.50 4.00
R-424	LC. GOLDEN GLEAM X BLC. MITHRA Yellow to bloom in the winter This cross was made to produce winter flowering yellow orchids. We have seen it bloom and although the flower is small, the color is a clear soft yellow.	2 2½	2.50 4.00
R-435	C. MINNEHAHA, F. C. C. X C. RITA SLADDEN Pure white flowering in the late fall. Little need be said about these often used parents.	3½	12.50
R-450	C. FREDIA SANDER X C. MINNEHAHA, F. C. C. Pure white to bloom in the winter. C. Minnehaha, FCC is a lovely white orchid with broad sepals and petals.	2 3 3½	3.00 7.50 12.50



Kenneth Battle, Section Grower, using
Hydraulic Potting Machine

CROSS NUMBER	CROSS AND EXPECTANCY	POT SIZE	PRICE
R-463	C. WHITE EMPRESS X C. SAMUEL ENDICOTT Pure white to bloom in the late fall and early winter. This cross should be useful in producing Christmas whites.	2 2½	\$ 3.00 5.00
R-466	C. SNOW WHITE X C. EDITHAE, var. Signal Mountain Pure white to bloom in the late winter and early spring. The petals of C. Edithae, var. Signal Mountain are very broad, the flower having an 8" spread.	2 2½	2.50 5.00
R-468	C. JAVOTTE (C. Edithae X C. Lady Veitch, var. Rivermont) Pure white with a variable blooming season from late fall through early winter. This cross should be useful in producing some Christmas flowers.	2 2½	2.50 4.00
R-471	C. SNOW WHITE X C. DECEMBER SNOW Pure white to flower in the winter and early spring.	2 2½ 3½	3.00 5.00 12.00
R-505	BLC. LAVENDER X C. TRIANAE, alba This cross was made to produce Christmas whites. The Blc. Lavender used was a large, heavy textured flower very faintly flushed with lavender The C. Trianae was pure white. The resulting hybrid should peak fairly sharply around the Christmas season. The plants are vigorous growers.	1-3/4 2 2½ 3	1.00 1.50 2.50 4.00
R-506	C. HARRISONIAE X C. EMPRESS FREDERICK X C. MINUCIA Unusual yellow to bloom in the fall. We consider this a collectors item, having no commercial value. Both parents were a lovely shade of pink, having yellow tipped lips.	1-3/4	1.50
R-507	C. CELIA X C. DECEMBER SNOW Pure white to bloom in the late fall. C. Celia has often been used as a parent because of its exceptionally snug shape. Small but compact flowers may be expected.	1-3/4 2 2½	1.50 2.00 3.00
R-515	C. HELEN LANGLEY, alba X BLC. AMIDA C. Helen Langley was purchased from Charlesworth with seed pod. We have since seen the Helen Langley bloom and the flowers are small and heavy textured. It blooms for us during the summer.	1-3/4 2 2½ 3½	1.50 2.00 3.00 7.50
R-532	C. CLEMENTINE GOLDFARB X C. EDITHAE Pure white to bloom in the late fall and early winter. Vigorous growers.	1-3/4	1.50
R-550	LC. YASMIN X LC. ARRAN Lavender to bloom in the summer. An unusual medium sized type of reddish-bronze lavender with dark purple lip may be expected.	1-3/4 2 2½ 3 3½	1.50 2.00 3.00 5.00 7.50
R-554	LC. SNOWDRIFT (C. Annette, var. Princess Mary X Lc. Cynthia, var. Rivermont.) White with colored lip to bloom in the fall and very early winter. A repeated cross with different parents. A few of the seedlings have been flowered and proven to be very good.	1-3/4 2 3	2.50 3.00 7.50

CROSS NUMBER	CROSS AND EXPECTANCY	POT SIZE	PRICE
R-571	BC. SEAFOAM X BLC. NANETTE, alba White with colored lip to bloom in the fall. This mating should produce some very lovely white Brassos. Blc. Nanette is a beautiful flower with a very distinctive tiny purple marking on the tip of the lip.	1-3/4 2	\$ 2.00 2.50
R-584	LC. MONORA X C. MOSSIAE Lavender to bloom in the winter.	1-3/4 2 2½	1.00 1.50 3.00
R-601	C. TRIMOS (C. Mossiae X C. Trianae, var. Grand Monarch) Winter lavender. A dependable cross repeated with the finest parents obtainable. These are exceptionally fine plants and a real value at this low price.	1-3/4	1.00
R-606	C. MOSSIAE WAGNERI X C. DECEMBER SNOW Pure white to bloom in the early spring. A very useful cross for Easter Whites.	1-3/4 2	2.00 2.50
R-609	C. EUCHARIS X C. GRETCHIN MERRILL, var. Purity Spring blooming pure white. The mating of these two lovely whites should produce a fine new hybrid for the spring season.	2 2½	3.00 5.00
R-611	C. MOSSIAE, var. Bergenfield X C. Thetis, var Rivermont. Lavender to bloom in the winter. C. Thetis, var. Rivermont has an excellent blooming record of producing good dark lavenders.	1-3/4	2.00
R-612	C. ARDMORE X C. THETIS, var. Rivermont Lavender to bloom in the winter. Dark lavender with dark lips should predominate.	1-3/4 2 2½ 3	2.00 2.50 5.00 7.50
R-613	C. MOSSIAE, var. Bergenfield X LC. HELEN WILMER Lavender to bloom in the winter and early spring. This should be a fine lavender at a season when dark lavenders are scarce.	1-3/4 2	2.00 2.50
R-614	C. METAPAN X LC. WINDERMERE, Clovely, AM RHS Lavender to bloom in the winter. This mating should produce very fine dark lavender hybrids.	1-3/4	2.00
R-617	C. ESTELLE Var Chattanooga X C. MINNEHAHA, F.C.C. Pure white to bloom in the winter. We have great hope for this cross as we expect it to produce outstanding orchids. C. Estelle, var. Chatta- nooga is a very fine orchid of large size and good form. The blooms are very fragrant.	1-3/4 2 2½	2.00 3.00 5.00
R-619	C. LORNA, alba X C. GIGAS, FMB White with colored lip to bloom in the late spring. This cross was made to produce June whites with colored lips and the flowering season of the resulting hybrid should peak sharply during that period.	1-3/4	2.50

CROSS NUMBER	CROSS AND EXPECTANCY	POT SIZE	PRICE
R-642	C. PRISCILLA, alba X C. GIGAS FMB White with colored lip to bloom in the early summer. The C. Priscilla, alba used is a consistent July bloomer and the resulting hybrids should begin to flower in June with the majority flowering in July.	1-3/4 2 2½	\$ 2.00 2.50 5.00
R-644	C. KIENASTIANA SANDERAE X C. NUTLEY, alba White with colored lip to bloom in the late spring. We believe this to be a very valuable commercial cross that will produce good whites with colored lips, during the May-June period.	1-3/4	2.00
R-649	LC. LORNTHEA, var. Grandis X LC. CANHAMIANA, var. Perfecta White with colored lip to flower in the winter. Dark lips should predominate here.	1-3/4	2.00
R-651	LC. CARAVAN X LC. BEAUFIGHTER Yellow to bloom in the fall. Lemon yellow colors with varying shades of rose lips should predominate as a result of this mating.	1-3/4	2.00
R-655	C. HARDYANA, alba X LC. CARAVAN Yellow to bloom in the fall. The result of this cross should be light yellow with a rose lip.	1-3/4 2 3½	1.50 2.00 7.50
R-656	C. PRISCILLA, alba X LC. CANHAMIANA, alba, var. Rivermont. White with colored lip with variable winter spring blooming season. Lc. Canhamiana, var. Rivermont is a huge lovely flower with heavy white petals and a bright rose lip with a tiny white border.	1-3/4 2	2.00 2.50
R-657	C. DIONYSIUS, alba X LC. HASSALLII, alba White with colored lip to bloom in the summer. This should be a very free flowering cross that we expect to peak in August which is a scarce period for this type of orchid. C. Dionysius averaged a little better than five flowers per year over the last five years.	2 2½	3.00 5.00
R-659	C. MONMOS X LC. HELEN WILMER Lavender to bloom in the winter and early spring. C. Monmos has good dark color and a large lip. The flowers were exceptionally large and combined with the large dark Helen Wilmer should produce an outstanding flower.	1-3/4	2.00
R-664	C. MARGARET HESS (C. Priscilla, alba X C. Mossiae, Young variety) White with colored lip having a variable blooming season throughout the winter. White with colored lips are very scarce during the winter period and consequently we expect this to be a valuable commercial cross.	1-3/4	2.00
R-665	BLC. MALVERN X C. MOSSIAE REINECKTIANA, alba Cream yellow to bloom in the winter. The coloring of this cross should not be too good. The cross was made to extend the blooming season of yellows into the winter.	1-3/4	1.50

CROSS NUMBER	CROSS AND EXPECTANCY	POT SIZE	PRICE
R-669	BLC. CONSUL GREIG X C. DOWIANA To bloom in the fall. Blc. Consul Greig is a fine yellow orchid of good texture. These seedlings should produce flowers of good yellow color with rose lips.	1-3/4 2	\$ 2.50 3.00
R-670	BC. HAM X C. MOSSIAE REINECKIANA, alba To bloom in the late fall and winter. Bc. Ham is a lovely white with purple lip brasso and produces wonderfully shaped flowers of large size and heavy texture. We hope to obtain some good white with purple lip Brassos from among the seedlings.	1-3/4 2	1.50 2.00
R-673	LC. DERNA X LC. THURGOODIANA Fall blooming yellow. A good clear yellow with contrasting reddish purple lip inherited from both parents may be expected.	1-3/4 2	2.50 3.00
R-675	C. SNOW SONG, var. Rivermont X C. CELIA, Rivermont Pure white to bloom in the fall. A small unusual pure white of very heavy texture, snug shape and free flowering habits is expected. This type of orchid is particularly suited for hair orchids and wedding bouquets.	1-3/4 2	1.50 2.00
R-677	C. BOW BELLS, var. CHATTANOOGA X C. MOSSIAE WAGNERI Pure white to bloom in the winter. C. Bow Bells is our best known pure white parent.	1-3/4	2.50
R-679	BLC. XANTHEDO X LC. LUMINOSA Fall blooming yellow. We expect a very fine yellow Brasso from this mating. The normal season for yellows is July through October, but we expect this cross to flower a little further into the winter.	1-3/4	2.50
R-680	LC. DERNA X LC. LUMINOSA Bronze yellow to bloom in the late fall. This mating should produce some fine flowers. Both parents have good records of producing heavy textured bronze-yellow flowers with deep purple lip.	1-3/4 2	2.50 3.00
R-682	C. CHARYBDIS X BC. BRITISH QUEEN Lavender to bloom in the fall. We expect a traditionally English lavender hybrid of very large size.	1-3/4 2	2.00 2.50
R-684	LC. NEW YORK (Lc. Aconcagua X C. Maggie Raphael, var. Brilliantissima) White with colored lip to bloom in the late fall. Lc. Aconcagua is noted for its scarlet lip.	1-3/4	2.50
R-687	C. PRISCILLA, alba X LC. CANHAMIANA, var. Rivermont. White with colored lip with a variable blooming season through winter and spring. Lc. Canhamiana, var. Rivermont is a huge lovely flower with heavy white petals and a bright lip with a tiny white border. The resulting hybrid should not only have a very desirable season but should produce some outstanding flowers.	Com. Pot 1-3/4 2 2 1/2 3	7.50 2.00 2.50 5.00 7.50

CROSS CROSS	CROSS AND EXPECTANCY	POT SIZE	PRICE
R-689	BLC. THE FRIAR X C. MOSSIAE, var. Bergenfield Lavender to bloom in the winter. Blc. The Friar is a beautiful dark lavender with a very dark lip.	1-3/4	\$ 2.00
R-693	BLC. SABRINA X LC. HASSALLII, alba Cream yellow to bloom in the summer. Both parents are very good. The combination of the yellow coloring of Blc. Sabrina with the pure white petals and crimson lips of Lc. Hassallii should result in a very attractive cream colored Brasso with a very dark lip.	1-3/4	2.00
R-695	C. SNOW SONG, var. Rivermont X C. BOWBELLS, var Chicamauga AM, R. H. S. Pure white to bloom in the fall. This mating should produce an unusual type of pure white combining the fine qualities of C. Bow Bells with the leathery texture of C. Snow Song. This is a reverse cross of R.781	1-3/4 2	2.50 3.50
R-741	LC. ST. GOTHARD X LC. BACCHANTE Fall blooming lavender. We expect great results from the mating of these two fine orchids. Dark coloring, large size and good texture should be inherited from both parents.	1-3/4	1.50
R-696	LC. SNOWDRIFT X BLC. LAVENDER To bloom in the fall. Lc. Snowdrift is a well known parent and this mating should produce a new hybrid among which huge flowers with broad lips will predominate. Blc. lavender is a large heavy textured white flower very faintly flushed with lavender. It was used to obtain a white with colored lip Brasso, which is a very scarce type of orchid.	Com. Pot 1-3/4	7.50 2.00
R-697	L. PURPURATA, alba X L. PURPURATA White with colored lip to bloom in the spring. One of the most sought after species from which almost all good white with colored lips have been bred. This cross was made between two of our best L. Purpurata, albas.	1-3/4 2 2½	2.50 3.00 5.00
R-699	C. BOW BELLS, var The Bride X C. MOSSIAE WAGNERII Pure white to bloom in the winter. Another Bow Bells cross from which we expect some outstanding whites. Picture of flower from this plant appears on next page.	1-3/4 2 2½	2.50 3.50 6.00
R-704	LC. LUMINOSA X LC. LUMINOSA Yellow to bloom in the fall. Both Lc. Luminosas used had good texture and very dark crimson lips. The petals should vary in shade from lemon yellow to orange.	2	2.50
R-706	C. PETALENA X BLC. NANETTE To bloom in the late fall. Excellent results may be expected from the mating of these two fine orchids. Blc. Nanette is a beautiful white orchid with a distinctive purple marking on its broad slightly fringed lip. C. Petalena is a large heavy textured flower, having a bright rose colored lip.	Com. Pot 1-3/4	7.50 2.00



C. BOW BELLS, var. The Bride (Parent of R-699)

CROSS NUMBER	CROSS AND EXPECTANCY	POT SIZE	PRICE
R-707	LC. SNOWDRIFT X BLC. NANETTE, alba To bloom in the late fall. Both parents have consistent November blooming records. The resulting hybrid should produce an outstanding flower at a season when most of the best orchids bloom.	1-3/4	\$ 2.00
R-708	C. BOW BELLS X C. CELIA Pure white to bloom in the fall. This cross between two well known pure whites should produce flowers combining the fine qualities of C. Bow Bells with the snug shape of C. Celia.	Com. Pot 1-3/4	10.00 2.50
R-709	LC. SNOWDRIFT X BLC. LAVENDER To bloom in the fall. Lc. Snowdrift is a well known parent and this mating should produce a new hybrid among which huge flowers with broad lips will predominate. Blc. lavender is a large heavy textured white flower very faintly flushed with lavender. It was used to obtain a white with colored lip Brasso, which is a very scarce type of orchid.	1-3/4	2.00
R-710	LC. CANHAMIANA, alba var. Maxine Stillman X LC. OENONE White with colored lip to bloom in the winter. These two superb parents combine all of the desirable characteristics that we search for in the breeding of white with colored lip. Season is good, Lc. Oenone having a consistent December blooming record and Lc. Canhamiana a consistent June record. Large size, vivid purple lip, heavy texture and good form predominate in both parents. Combining these characteristics with the free flowering habits of Lc. Canhamiana should make this new hybrid extremely desirable.	Com. Pot 1-3/4	10.00 2.00
R-715	BLC. MORNING SUN X BLC. CONSUL GREIG Yellow to bloom in the late fall and early winter. The combination between the soft cream yellow of Blc. Morning Sun and the clear golden yellow of Blc. Consul Greig should result in a very pleasing clear yellow orchid. The lip is expected to be broad and of an attractive deep rose coloring.	1-3/4	2.50
R-720	BLC. MORNING SUN X BLC. GOWAN Yellow to bloom in the late fall and early winter. We have great hope for a superior yellow hybrid. The Blc. Morning Sun used was a soft sulphur yellow with the very tip of the lip a rose color. The Blc. Gowan was of the same shade of yellow but with a completely yellow lip. Orchids with all yellow petals, sepals and lip should predominate.	1-3/4	2.50
R-723	C. WHITE EMPRESS X C. EDITHAE Pure white to bloom in the early winter. This cross was made to produce Christmas whites. Both parents have consistently produced good flowers during December and January over the last several years.	Com. Pot 1-3/4	10.00 2.00

CROSS NUMBER	CROSS AND EXPECTANCY	POT SIZE	PRICE
R-728	C. MONMOS X BC. WARNHAM BEAUTY, AM. RHS. Lavender to bloom in the late winter to early spring. Both parents have records of producing fine flowers in the winter and early spring.	1-3/4	\$ 2.50
R-730	LC. CHARLES FUTTERMAN X BLC. CALIGULA, MAG. FCC, RHS. Lavender to bloom in the early spring. Both parents have records of consistently producing excellent flowers in the spring.	Com. Pot	10.00
R-731	C. MONMOS X LC. NELSON Lavender to bloom in the late winter and early spring. Large flowers of heavy texture, good form and good color will predominate here.	Com. Pot	7.50
R-733 or R-888	C. TRIMOS, alba (C. Mossiae, Wagneri X C. Trianae, Broomhill's variety) Pure white to bloom in the early spring. This is a proven cross to produce good commercial whites.	Com. Pot	7.50
R-738	C. ELEANORE X C. HAROLD, alba var. Floriferous White with colored lip to bloom in the late spring. C. Eleanore is a lovely flower, having heavy clear white petals with a rose lip and distinctive yellow eyes in the throat.	Com. Pot	7.50
R-741	LC. ST. GOTHARD X LC. BACCHANTE Fall blooming lavender. We expect great results from the mating of these two fine orchids. Dark coloring, large size and good texture should be inherited from both parents.	1-3/4	1.50
R-747	LC. DERNA X LC. BLETCHLEYENSIS Yellow to bloom in the fall. A lemon yellow coloring is expected here, the lip being predominantly dark. Lc. Bletchleyensis has a dark crimson lip very attractively outlined with a tiny white border.	1-3/4	2.50
R-752	LC. MT. SHASTA X BLC. LAVENDER To bloom in the fall. This cross was made to produce a white with colored lip Brasso. The Blc. Lavender has been used in many of our crosses, having a record of producing excellent flowers.	Com. Pot	7.50
R-754	C. GRETCHIN MERRILL var. Purity X C. MINNEHAHA, var. Rivermont Pure white to bloom in the early spring. C. Gretchin Merrill is a lovely heavy textured pure white that has consistently bloomed for us in April. C. Minnehaha, var. Rivermont is a beautiful large white that blooms in late January and this mating is expected to produce high quality whites for an early Easter.	1-3/4	2.00

CROSS NUMBER	CROSS AND EXPECTANCY	POT SIZE	PRICE
R-762	C. LORANORE X C. HAROLD, alba var. Floriferous White with colored lip to bloom in the late spring. Free flowering graceful whites with solid dark lips may be expected.	Com. Pot	\$ 7.50
R-769	C. PRISCILLA, alba X C. NUTLEY, alba We expect this new white with colored lip hybrid to flower in the scarce June period. The Priscilla used has a very stable June flowering season.	Com. Pot	7.50
R-772	LC. ELEANORE, alba, var. Magnifica X C. HARDYANA, alba Early summer white with colored lip. Combining the free flowering habit of Hardyana with the graceful Eleanore should make a very desirable new hybrid. Lc. Eleanore, alba, var. Magnifica is a lovely sparkling white with a bright rose lip outlined with a ruffled white border.	Com. Pot	7.50
R-774	C. ELEANORE X C. GIGAS, Bedford's variety White with colored lip to bloom in the late spring. and early summer. This cross was made to produce white with colored lips to cover the June and early July demand for this type of orchid.	Com. Pot	7.50
R-781	C. BOW BELLS var Chicamauga AM. R. H. S. X C. SNOW SONG, var. Rivermont Pure white to bloom in the fall. This mating should produce an unusual type of pure white combining the fine qualities of C. Bow Bells with the leathery texture of C. Snow Song.	1-3/4	2.50
R-805	C. INTERTEXTA, alba (C. Warnerii, alba X C. Mossiae Wagneri) Pure white with variable blooming and season extending from winter to spring. A proven cross of commercial value.	Com. Pot	7.50
R-826	C. BOW BELLS var. London Pride X SNOW SONG Pure white to bloom in the fall. This mating should produce an unusual type of pure white combining the fine qualities of C. Bow Bells with the leathery texture of C. Snow Song.	Com. Pot 1-3/4	10.00 2.50
R-853	C. BOW BELLS, var. Gladys Lines X C. MOSSIAE, WAGNERI, var. Rivermont. Pure white to bloom in the winter. Another C. Bow Bells cross from which we expect some outstanding whites.	1-3/4	2.50



R-863 PHALAENOPSIS RONAELE X PHALAENOPSIS APPARITION 1-3/4 \$1.50

The above picture is an actual photograph of a 2'' seedling of this cross bearing a flower. It is very unusual indeed when one has an opportunity to see the results of a new hybrid at such an early stage of growth. Texture and shape of the flower on the young plant was exceptionally good. The seedlings that are being offered are not ready for shifting, but will be in about 4 months.

NOTE: *READY TO FLOWER SEEDLINGS*

We often have hybrid seedlings of which we have too few plants to include in our catalogue. These plants are included on an odd lot offering that will be mailed at your request.

Flowering Size Divisions Of Exhibition And Stud Plants

For those Orchid connoisseurs and breeders who want plants of proven quality, we have many fine things to offer this year. It has always been our policy to never sell the entire plant of an outstanding orchid and, as a result, we have been forced to turn down some tempting offers for plants that were seen in bloom by some of our customers.

During the past years we have picked out some 5000 plants as being the best in our collection of about 75,000 mature plants. We now have for sale divisions of some of these plants. Since we have only one or perhaps two divisions of each plant to offer, it is impractical to list them here. We have prepared a separate listing of each division that is currently available and we invite inquiries for this list.

In order to acquaint new prospects for this type of plant with the wide range of colors included in these lists, we have chosen five of our best known hybrids to list here. They are as follows:

C. BOW BELLS (C. Edithae White Empress X C. Suzanne Hye)

This outstanding white orchid is beautiful beyond description. A most vigorous grower. Produces large well shaped heavy textured pure white blooms with lovely yellow throats. Normal blooming season is fall and second lead blooms occur frequently.

LC. DERRYNANE (Lc. Balkis X Lc. Princess Margaret)

A very large dark lavender orchid with darker lip. A very fine well shaped heavy textured flower that rates among the best in the fall when competition for quality is the most intense.

C. STALIN (C. Angus X C. Gloriette)

For those who like contrasting colors in their orchids this is a very desirable flower. Blooms are large and very well shaped. Sepals and petals are an attractive clear pastel lavender with the ruffled lip being of a deep magenta color. Flowering season extends from late spring to early summer.

LC. SNOWDRIFT (Lc. Cynthia, var. Model X C. Annette)

A well known lovely white with purple lip that blooms in the fall. Large flowers of good form and texture. This hybrid has been extensively used as a breeder.

LC. DERNA (Lc. Nuggett X C. Dowiana, aurea)

This is one of our best yellows and we have used this hybrid widely as a parent. Colors in petals and sepals vary among plants of this cross from a lovely chartreuse to deep golden yellow. Deep purple isthmus type lips predominate, although a very few plants have the full lip.

All of these plants are individually priced when in flower and the plant is assigned a permanent identification number. The divisions we are offering consist of a minimum of three bulbs and is of a size to flower on the next lead. If you are interested in purchasing any of this stock, write us and our complete list will be sent to you at once.

MATURE CATTLEYA HYBRID PLANTS OF COMMERCIAL VARIETIES

There are times in the year when we have a surplus of flowers for our cut flower needs. When this happens we mark up for sale a certain amount of adult plants. A card is made on each plant and an exact description of the flower is written into our records by the trained people who grade and cut the flowers. The plant is priced on the basis of its size and the relative value of the flowers it produced.

We have been employing this method of selling plants for several years and are selling some very good plants in the following price ranges:

Lavender	\$ 5.00 to \$20.00
White with purple lip	15.00 to 30.00
White	15.00 to 30.00
Yellows	15.00 to 30.00

There are a very few exceptional plants that might be valued at a slightly higher price, but most of them fall within these ranges.

Since we have only one plant of each of many different crosses it would be impractical to list them here. However, we prepare mimeographed lists of these plants from time to time and send them to our customers. Should you be interested in buying some strong well established mature plants, write for our current offerings and they will be mailed to you at once.

ESTABLISHED CATTLEYA SPECIES

These magnificent plants are well established in 5 to 8 inch pots. They are only a few years from the forests. The price is determined by the size and weight of the plant, minimum standards are as follows:

Small plant	3 to 6 Bulbs and Leaves
Medium plant	4 to 7 Bulbs and Leaves
Large plant	6 to 10 Bulbs and Leaves

To those who live in climates suitable for growing orchids outside, this is a wonderful opportunity to buy plants for tree planting, thereby giving your garden a truly tropical atmosphere. For the amateur or commercial grower who wants to supplement his bloom production in the winter and spring, the plants are a good buy at these prices.

CATTLEYA TRIANAE	Small	\$ 3.50
Normal blooming season is December through February. The flowers have light lavender petals and sepals and a dark lavender lip. One of the better known species.	Medium	5.00
	Large	7.00

CATTLEYA SCHRODERAE	Small	3.50
Normal blooming season is February through April. The flowers are of varying shades of pink with a bright yellow throat, Although the flowers are not as large as C. Trianae, this genera is very floriferous and will usually average 3 or more flowers per spike.	Medium	5.00
	Large	7.00

CATTLEYA MOSSIAE	Small	5.00
The most desirable of the species. Normal blooming season is late March through early June. A very attractive flower of lavender petals and darker lavender lip.	Medium	7.50
	Large	10.00

C Y M B I D I U M S E C T I O N

The following plants were shipped to us from our British Subsidiary, Armstrong and Brown, Tunbridge Wells, Kent, England. Some are still in English pots of various sizes and we have priced them on the basis of quality and plant size rather than pot size. Large plants are of a size to bear flowers now; medium plants within 12 months and small plants within 24 months.

CROSS AND EXPECTANCY	SIZE	PRICE
CYM. CUPIDO (Erica Sander X Ceres, var. Orchidhurst)	Medium	\$10.00
Very nice beige and brown colors. Winter flowering.	Small	7.50
CYM. ECLAIR (Eclipse var. Rubrum X Carisbrook)	Medium	12.00
Varying shades of red. Good flowering habit.	Small	9.00
Winter flowering.		
CYM. JOY SANDER (Pauwelsii X Ceres, var. Orchidhurst)	Large	12.50
Pleasing shades of beige and pink. Winter	Medium	10.00
flowering.	Small	7.50
CYM. LOUIS SANDER (Alexanderi X Ceres)	Large	15.00
Varying shades of pink.	Medium	12.00
Spring.	Small	9.00
CYM. LYOTH (Ceres, var. Orchidhurst X insigne)	Large	15.00
Varying shades of delicate pink.	Medium	12.00
Spring flowering.	Small	9.00
CYM. MADONA (Alexanderi, Westonbirt, var. FCC X P. W. Jansen)	Medium	35.00
Heavy textured flowers of good form. Petals are	Small	25.00
white, slightly flushed with pink. Distinctive red		
markings on the labellum. Spring flowering.		
CYM. PROFUSION (Vesta X Ceres, var. Orchidhurst)	Large	18.00
Flowers of good substance, having a deep pink	Medium	15.00
coloring. Spring flowering.	Small	12.00
CYM. VANGIE (Castor aureum X Erica Sander)	Large	15.00
Light shades of greens and yellows with red markings	Medium	12.00
on the lip. Very attractive. Winter flowering.	Small	9.00

UNFLOWERED SEEDLINGS IN SMALLER SIZES

On the average, the length of time required for Cymbidium Seedlings to grow from present pot sizes to a flowering sized plant is as follows:

3'' Pot	4 Years	4'' Pot	2 Years
3½'' Pot	3 Years	4½'' Pot	1 to 2 Years

NUMBER	CROSS AND EXPECTANCY	POT SIZE	PRICE
R-309	CYM. Godwil X President Wilson Green coloring with rust overlay is expected here. Winter flowering.	4	\$ 7.50
R-445	CYM. Sunrise var. Ruby X Ceres, var. F. J. Hanbury, FCC A dark and colorful cross to bloom in the late winter. Good growers.	3 3½ 4	4.50 6.00 9.00
R-13 R-14 R-15	CYM. Ralph Sander X Caprice A few of these seedlings have already been flowered. Very attractive well formed flowers of pink, red and orange-red coloring may be expected. Winter flowering.	4½	15.00

BACK BULB DIVISIONS

For those who live in climates suitable for out-door culture of Cymbidiums, back bulbs present a very economical way of growing these most attractive flowers in one's garden. It is also a very inexpensive way of expanding your greenhouse stock. These divisions are potted and have new growths that are already rooted. They are about 3½ years from flowering size and are very fine little plants. Please refer to the adult plants in this section for complete information covering the habits of these crosses.

CROSS	PRICE
CYM. JOY SANDER	\$2.50
CYM. LOUIS SANDER	4.00
CYM. VANGIE	4.00

DIVISIONS OF EXHIBITION AND STUD CYMBIDIUM PLANTS

For those who want certain plants of proven quality or for breeding purposes, we have some fine things to offer this year. In most instances we have only one piece of each plant to offer and it is impractical to list them here. However, we have prepared lists of the stock we have and a copy will be mailed to you at once if you will request it.

OTHER ORCHID GENERA

For those orchid enthusiasts who grow their plants for their own enjoyment, we have a small supply of these varieties, most of which we consider novelty orchids. Plants shown as mature are in pots above 4'' and are of flowering size. All plants are growing in fresh material and will not need repotting.

	SIZE	PRICE
COELOGYNE CRISTATA	3½'' Pot	\$ 5.00
Flowers are about 3'' across. Sepals and petals are white. Lip large, white except center which is yellow. Season - winter and spring.	Mature	10.00
DENDROBIUM RONAEELE	3''	6.00
Flowers are about 2½'' across. Petals and sepals are ivory white with attractive lavender markings at tips. Round lip of a very deep purple bordered with ivory. Season - Spring and summer.	Mature	15.00
DENDROBIUM GATTON SUNRAY, F.C.C., R.H.S.	Mature	35.00
One of the finest hybrid Dendrobiums. Flowers are yellow and measure about 2½'' to 3'' across. Season - Spring.		
EPICATTLEYA NEBO	Mature	10.00
Very tiny lavender flowers measuring about 3/4'' across. Flowers grow in clusters of 6 or more at the end of a very tall spike. Season - Spring.		
ONCIDIUM SPLENDIDUM	3½''	5.00
Flowers are about 2'' across. Sepals and petals yellowish green barred with rich brown. Lip is yellow. Season - Winter.	Mature	7.50
VANDA COERULEA	5''	7.50
These plants were imported from India but are now well established in pots. The flowers are variable, usually measuring an inch or more across. Sepals and petals are pale mauve-blue with the lip a violet blue. Season - Summer.		
WARSCEWICZELLA DISCOLOR	Mature	10.00
Flowers measure above 2'' across. Sepals and petals are ivory white or straw-yellow, the petals tinted with purple. Lip is of a violet-purple coloring.		

ORCHID SUPPLIES
REPOTTING MATERIALS

CLAY POTS	UNIT	PRICE
1-3/4''	Dozen \$.50
2''	Dozen	.60
2-1/2''	Dozen	.75
3''	Dozen	.80
3-1/2''	Dozen	.90
4''	Dozen	1.10
5''	Dozen	1.50
6''	Dozen	2.40
7''	Dozen	3.00
8''	Dozen	4.20
OSMUNDINE		
Florida Dark Fibre		
Bag (6 pounds)	Each	1.75
Bale (65 pounds)	Each	14.50
SPHAGNUM MOSS (Dry)		
Bag (3 pounds)	Each	.75
Bale	Each	3.00
POT STAKES (Galvanized wire)	Dozen	.20
STEEL HAND SHEARS		
Straight Blade 7-3/4'' (Many uses in potting orchids)	Each	3.75
ALUMINUM POTTING STICKS		
Light weight - one end pointed and the other flat	Each	3.75
GREEN FLORIST THREAD		
Long life waxed thread for tying plants	Two ounce spool	
	Each	.45
WHITE CELLULOID PLANT LABELS		
#22 Stick in type (5'' x 3/4'')	Hundred	4.50
#144 Stick in type (1-3/4'' x 3/4'')	Hundred	2.10
#16 Tie on type with copper wire (4'' x 3/4'')	Hundred	3.25

GREENHOUSE MATERIALS

SHADING COMPOUND

PRICE

An easily mixed compound producing a uniform shade that will come off with the first frost.	5 lb. carton	\$ 2.00
Recommended mixture 3 pounds to 1 gallon of water for use in sprays. A thicker consistency would be required for brush use.	25 lb. carton	7.50

HUMIDIGUIDE

For registering temperature and humidity. 3-1/4' X 3-1/4' Plastic finish	Each	3.00
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ORCHID SPRAY

A DDT Rotenone compound to control scale, beetles, thrip and other orchid pests. To be mixed one part spray to 400 parts water and sprayed on the plants.	8 oz.	2.25
	Pints	3.35
	Quart	5.00

ORCHID POWDER

A DDT Metaldehyde compound for sow bugs, slugs and snails. Applied to benches where pests travel.	1 pound pkg.	1.50
	2 pound pkg.	2.50
	5 pound pkg.	5.00
	10 pound pkg.	9.50

HAYDITE

Carbon containing approximately 1/3 cu. ft.	Each	.85
Bag containing approximately 2 cu. ft.	Each	3.00

CUT FLOWER MATERIALS

5' ORCHID TUBES AND CAPS

Carton of 250 7.50

Shredded Floral-Pak for packing flowers. Carton containing approximately 3 pounds of material	Each	1.50
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INDUSTRIAL TAPE

Used for sticking tubes to boxes. One inch tape in rolls containing 72 lineal yards.	Each	2.25
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A BRIEF GLANCE AT OUR FILES INDICATES THAT ORDERS RECENTLY HAVE BEEN SHIPPED TO THESE FAR-FLUNG PLACES:

- AUSTRALIA
- NEW ZEALAND
- EUROPE
- UNION OF SOUTH AFRICA
- INDIA
- SIAM
- BRAZIL
- VENEZUELA

- COSTA RICA
- HAWAII
- MEXICO
- CUBA
- PUERTO RICA
- CANADA
and
- THE PHILIPPINES

Needless to say, shipments have been made to practically all states in the Union and to nearly every section of the British Isles.



ORCHID growers all over the world are familiar with the high quality of the stud plants that have been used to make our hybrids and they have expressed their con-

fidence in us by purchasing our plants in increasing volume each year. Truly the sun never sets on McDade orchid hybrids growing in the greenhouses of our customers.

CLINT McDADE & SONS

—Signal Mountain, Tennessee—

ARMSTRONG & BROWN

Tunbridge Wells, Kent, England
(British division of Clint McDade & Sons)